

IARU INTERNATIONAL AMATEUR RADIO SATELLITE FORUM

Pittsburgh 2007



AGENDA

- Welcome
- Satellite Adviser's report
 - Hans van de Groenendaal
- Frequencies for satellites
 - Graham Shirville
- Discussion

Report to the IARU AC

- An annual report is submitted to the Administrative Council and published on Amsat International after the AC meeting
- The question of expanded allocation for satellite operation in the Region 1 2m bandplan was highlighted

Band	Requirement/Action	Priority
50-51MHz	Seek new harmonised Amateur Satellite Service E-S/S-E allocation for communications and propagation research to complement existing Amateur Service requirements.	1B
438-440MHz	Extension to existing allocation – E-S & S-E	2A
1240-1250MHz	E-S & S-E - trade for relinquishing existing 1260-1270*, coordinated with existing Amateur Service requirements/priorities	1B
2300-2330MHz	E-S & S-E - trade for relinquishing existing 2400-2450MHz - reduce mutual problems with other services	3A
2390-2400MHz	E-S & S-E - trade for relinquishing existing Amateur Satellite Service allocation at 2400-2450MHz - reduce problems with other services NB1: The Amateur Service is already Primary in USA 2390-2395MHz and shared Primary 2395-2400MHz NB2: Retaining 2400-2450 for the Amateur Service is still believed to be beneficial at this time despite increasing ISM interference issues	1A
3400-3410MHz	E-S & S-E - trade for relinquishing all 3410-3500MHz and seek protection from WRC-07/11 IMT/BWA Comms services Already available in ITU Regions 2&3 – The lack of a Region-1 allocation inhibits use	1A
5650-5670MHz	E-S & S-E -upgrade from E-S only - trade for reducing width of current 5830-5850 allocation	3A
10GHz	The satellite service requires 10MHz of Primary allocation..... Consider a move/extension towards the 10360-10400 area in exchange for relinquishing 10460-10500 Press for 10450-10460 to be upgraded to Primary	3B

144MHz Band Proposal

- To permit satellites, operating in the Amateur Satellite Service, which incorporate “linear” transponders, which are generally used for narrow band non channelised signals, to use, on a **non exclusive basis**, the section of the 2 metre band 144.005 –144.045MHz for downlink (satellite to ground) mode only, by amending the band plans in each IARU Region.

144MHz Band Proposal

- The presence of interfering non-amateur signals in the 145.80-146.00MHz part of this band, in many parts of the world, is well documented.
- To prevent the retransmission of interfering terrestrial signals, satellites in the Amateur Satellite Service that plan to use the 2 metre Amateur band are encouraged to use this band for downlink (satellite to ground) modes only, regardless of modulation type

Discussion